

CLAIMS

What is claimed is:

1. A web page management system mounted on a network for controlling the modification of web page contents in a website so that a user with the privilege to edit can retrieve and modify web page contents from any client device on the network, said system
- 5 comprising:

a privilege database comprising user identity data and privilege data, the privilege data recording the web page items on the website that the user can edit and modify within his privilege; and

- 10 an operation processing module, which performs the following steps to control the web page content changes:

receiving user login data transmitted from a client device, the login data containing identity data;

- 15 checking whether the login data is valid and terminating the procedure if the login data are not recorded in the privilege database and thus invalid;

transmitting the web page data within the user's privilege to the client device when the login data are valid;

receiving edited web page data transmitted from the client device; and

updating the web page data within the user's privilege.

- 20 2. The system of claim 1, wherein the privilege database contains verification data.
3. The system of claim 2, wherein the login data contain verification data.
4. The system of claim 3, wherein the step of checking whether the login data is valid

comprises the step of checking whether the verification data in the login data are the same as the verification data recorded in the privilege database and the login data are invalid if they are not the same.

5 5. The system of claim 1, wherein the login data contain assigned project items which include some or all the web page contents allowed according to the user's privilege.

6. The system of claim 5, wherein the step of transmitting web page data within the user's privilege to the client device transmits some or all the web page contents referred in the assigned project.

10 7. The system of claim 1 further comprising a privilege analysis step after the login data are determined to be valid and before the web page data within the user's privilege are transmitted to the client device, wherein the privilege analysis determines privileged web page contents that can be edited and modified by the registered user according to the privilege data.

15 8. The system of claim 1 further comprising the step of reading in a user editing record file after the login data are determined to be valid and before the web page data within the user's privilege are transmitted to the client device, wherein the user editing record file contains editing records previously finished by the user.

9. The system of claim 8 further comprising the step of updating the user editing record file after the step of receiving web page data.

20 10. The system of claim 8 further comprising the step of analyzing web page relations after reading in the user editing record file and before the web page data within the user's privilege are transmitted to the client device, wherein the web page relations include the related web pages and elements referred through links and hyperlinks and the storage locations and paths thereof in the privileged web pages of the user.

25 11. The system of claim 10 further comprising the step of displaying a privileged web

page list containing the privileged web pages and their related web pages that can be modified by the user within his privilege.

12. The system of claim 11 further comprising the step of receiving user download selection information after displaying the web page list and before the web page data within the user's privilege are transmitted to the client device, wherein the user download selection information contains a list of assigned web pages to be edited and modified by the user.

13. The system of claim 12 further comprising the step of making a download selection list after the user download selection information is received and before the web page data within the user's privilege are transmitted to the client device, wherein the download selection list contains the assigned editing web page list requested by the user in the user download selection information.

14. The system of claim 13 further comprising the step of analyzing web page contents after the user download selection information is received and before the web page data within the user's privilege are transmitted to the client device, wherein the step of analyzing web page contents analyzes all elements contained in each of the assigned web pages to be edited to find out if it contains image data, voice data, video data, animation data, text data, Java applets, and ActiveX elements.

15. The system of claim 14, wherein the step of transmitting the web page data within the user's privilege to the client device transmits the image data if the assigned web page to be edited contains image data.

16. The system of claim 14, wherein the step of transmitting the web page data within the user's privilege to the client device transmits the voice data if the assigned web page to be edited contains voice data.

17. The system of claim 14, wherein the step of transmitting the web page data within the user's privilege to the client device transmits the video data if the assigned web page to be edited contains video data.

18. The system of claim 14, wherein the step of transmitting the web page data within the user's privilege to the client device transmits the animation data if the assigned web page to be edited contains animation data.

5 19. The system of claim 14, wherein the step of transmitting the web page data within the user's privilege to the client device transmits the text data if the assigned web page to be edited contains text data.

20. The system of claim 14, wherein the step of transmitting the web page data within the user's privilege to the client device transmits the Java elements if the assigned web page to be edited contains Java applets.

10 21. The system of claim 14, wherein the step of transmitting the web page data within the user's privilege to the client device transmits the ActiveX elements if the assigned web page to be edited contains ActiveX elements.

22. The system of claim 1, wherein the step of transmitting the web page data within the privilege of the login identity transmits hypertext markup language (HTML) files.

15 23. The system of claim 1, wherein the step of receiving the web page data transmitted from the client device is executed after receiving the user's request for uploading data.

24. The system of claim 1, wherein the step of receiving web page data further comprises a privilege analysis step which determines web page contents that can be modified by the login user.

20 25. The system of claim 1, wherein the step of receiving web page data further comprises the step of analyzing web page relations in order to detect all related web pages and elements referred through links and hyperlinks and the storage locations and paths thereof in the assigned modified web page.

25 26. The system of claim 1, wherein the step of receiving web page data further comprises the step of displaying a list of edited web pages, wherein the edited web page list

contains all edited and modified web pages in the assigned web pages to be edited.

27. The system of claim 26, wherein the step of receiving web page data further comprises the step of receiving user upload selection information after displaying the edited web page list, the user upload selection information comprising a list of edited web pages to be uploaded as requested by the user.

28. The system of claim 27, wherein the step of receiving web page data further comprises the step of making an upload list after receiving the user upload selection information, the upload list contains the edited web pages to be uploaded as requested by the user in the user upload selection information.

29. The system of claim 28, wherein the step of receiving web page data further comprises the step of analyzing web page contents after the user upload selection information is received, the step of analyzing web page contents analyzes each of the edited web page in the upload list and determines whether any of the image data, voice data, video data, animation data, text data, Java applets and ActiveX elements contained therein is modified.

30. The system of claim 29, wherein the system receives the edited image data if the image data in the edited web page are modified.

31. The system of claim 29, wherein the system receives the edited voice data if the voice data in the edited web page are modified.

32. The system of claim 29, wherein the system receives the edited video data if the video data in the edited web page are modified.

33. The system of claim 29, wherein the system receives the edited animation data if the animation data in the edited web page are modified.

34. The system of claim 29, wherein the system receives the edited text data if the text data in the edited web page are modified.

35. The system of claim 29, wherein the system receives the edited Java elements if the Java applets in the edited web page are modified.

36. The system of claim 29, wherein the system receives the edited ActiveX elements if the Active elements in the edited web page are modified.

5 37. The system of claim 1, wherein the step of receiving web page data comprises the step of receiving HTML files.

10 38. The system of claim 1, wherein the web page management system is established in a network system selected from the group comprising the local area network (LAN) system, the wide area network (WAN) system, the Internet system; and the cable television network system.

39. A web page management method, which controls the modification of web page contents on a network and enables a user with editing privilege to retrieve and modify the web page contents from any client device on the network according to predetermined privilege data thereof, said method comprising the steps of:

15 receiving login data transmitted from the client device of the user;

checking whether the login data are contained in the predetermined privilege data and terminating the procedure if the login data are not contained therein;

20 transmitting the web page data to the client device according to the predetermined privilege of the login identity when the login data coincide with the ones recorded in the predetermined privilege data;

receiving the edited web page data transmitted from the client device; and

updating the web page data within the privilege of the login user according to the predetermined privilege data.

40. The method of claim 39, wherein the login data contains a username and the corresponding password.

41. The method of claim 39, wherein the login data contains assigned project items that include some or all web page contents within the privilege of the login user.

5 42. The method of claim 41, wherein the step of transmitting web page contents within the privilege of the login user transmits some or all of the web page contents in the assigned project.

10 43. The method of claim 39 further comprising a privilege analysis step after the login data are verified to be valid according to the predetermined privilege data and before the web page data within the login user's privilege are transmitted to the client device, wherein the privilege analysis step determines the privileged web page contents that can be edited and modified by the login user.

15 44. The method of claim 39 further comprising the step of reading in a user editing record file after the login data are verified to be valid according to the predetermined privilege data and before the web page data within the login user's privilege are transmitted to the client device, wherein the user editing record file contains the editing records previously finished by the user.

45. The method of claim 44 further comprising the step of updating the user editing record file after the step of receiving web page data.

20 46. The method of claim 44 further comprising the step of analyzing web page relations after reading in the user editing record file and before transmitting the web page data allowed within the login user's privilege to the client device, the web page relations including the related web pages and elements referred by links and hyperlinks and the storage locations and paths thereof in the user privileged web pages.

25 47. The method of claim 46 further comprising the step of displaying a list of privileged

web pages after the step of analyzing web page relations and before transmitting the web page data within the login user's privilege to the client device, wherein the privileged web page list contains the privileged web pages and related web pages that can be edited and modified by the user according to his privilege.

5 48. The method of claim 47 further comprising the step of receiving user download selection information after displaying the web page list and before transmitting the web page data within the user's privilege to the client device, wherein the user download selection information contains a list of assigned web pages to be edited requested by the user.

10 49. The method of claim 48 further comprising the step of making a download list after receiving the user download selection information and before transmitting the web page data within the user privilege to the client device, wherein the download list contains the assigned web page list in the user download selection information as requested by the user.

15 50. The method of claim 49 further comprising the step of analyzing web page contents after the user download selection information is received and before the web page data within the user's privilege are transmitted to the client device, wherein the step of analyzing web page contents analyzes all elements contained in each of the assigned web pages to be edited to find out if it contains image data, voice data, video data, animation data, text data, Java applets, and ActiveX elements.

20 51. The method of claim 50, wherein the step of transmitting the web page data within the user's privilege to the client device transmits the image data if the assigned web page to be edited contains image data.

 52. The method of claim 50, wherein the step of transmitting the web page data within the user's privilege to the client device transmits the voice data if the assigned web page to be edited contains voice data.

25 53. The method of claim 50, wherein the step of transmitting the web page data within the user's privilege to the client device transmits the video data if the assigned web page to be

edited contains video data.

54. The method of claim 50, wherein the step of transmitting the web page data within the user's privilege to the client device transmits the animation data if the assigned web page to be edited contains animation data.

5 55. The method of claim 50, wherein the step of transmitting the web page data within the user's privilege to the client device transmits the text data if the assigned web page to be edited contains text data.

10 56. The method of claim 50, wherein the step of transmitting the web page data within the user's privilege to the client device transmits the Java elements if the assigned web page to be edited contains Java applets.

57. The method of claim 50, wherein the step of transmitting the web page data within the user's privilege to the client device transmits the ActiveX elements if the assigned web page to be edited contains ActiveX elements.

15 58. The method of claim 39, wherein the step of transmitting the web page data within the privilege of the login identity transmits HTML files.

59. The method of claim 39, wherein the step of receiving the web page data transmitted from the client device is executed after receiving the user's request for uploading data.

20 60. The method of claim 39, wherein the step of receiving web page data further comprises a privilege analysis step which determines web page contents that can be modified by the login user.

25 61. The method of claim 39, wherein the step of receiving web page data further comprises the step of analyzing web page relations in order to detect all related web pages and elements referred through links and hyperlinks and the storage locations and paths thereof in the assigned modified web page.

62. The method of claim 39, wherein the step of receiving web page data further comprises the step of displaying a list of edited web pages, wherein the edited web page list contains all edited and modified web pages in the assigned web pages to be edited.

63. The method of claim 62, wherein the step of receiving web page data further
5 comprises the step of making an upload list after receiving the user upload selection information, the upload list contains the edited web pages to be uploaded as requested by the user in the user upload selection information.

64. The method of claim 63 further comprising the step of making an upload list after
10 receiving the user upload selection information, wherein the upload list contains edited web pages to be uploaded requested in the user selection information.

65. The method of claim 64 further comprising the step of analyzing web page contents
after the user download selection information is received, wherein the step of analyzing web
page contents analyzes all elements contained in each of the edited web pages to find out if it
contains modified image data, voice data, video data, animation data, text data, Java applets,
15 and ActiveX elements.

66. The method of claim 65, wherein the system receives the edited image data if the
image data in the edited web page are modified.

67. The method of claim 65, wherein the system receives the edited voice data if the
voice data in the edited web page are modified.

20 68. The method of claim 65, wherein the system receives the edited video data if the
video data in the edited web page are modified.

69. The method of claim 65, wherein the system receives the edited animation data if
the animation data in the edited web page are modified.

25 70. The method of claim 65, wherein the system receives the edited text data if the text
data in the edited web page are modified.

71. The method of claim 65, wherein the system receives the edited Java elements if the Java applets in the edited web page are modified.

72. The method of claim 65, wherein the system receives the edited ActiveX elements if the Active elements in the edited web page are modified.

5 73. The method of claim 39, wherein the step of receiving web page data comprises the step of receiving HTML files.

74. The method of claim 39, wherein the method is applied to a network system selected from the group comprising the local area network (LAN) system, the wide area network (WAN) system, the Internet system; and the cable television network system.

10 75. A method of editing and accessing web page contents of a website through a network, which comprises the steps of:

connecting to a computer system that manages the web page data;

registering privilege;

selecting download web pages;

15 receiving the selected download web page data;

editing the downloaded web page data; and

transmitting the edited web page data to the computer system that manages the web page data.

20 76. The method of claim 75, wherein the step of privilege registering further comprises the step of entering user identity data and verification data.

77. The method of claim 75, wherein the step of selecting download web pages is done by clicking in the web page list provided by the computer system that manages the web page

data.

78. The method of claim 75, wherein the step of transmitting the edited web page data to the computer system that manages the web page data further comprises the step of selecting edited upload web pages.

- 5 79. The method of claim 75, wherein the step of selecting edited upload web pages is done by clicking in a web page list provided by the computer system that manages the web page data.